

## **ABSTRACT**

The present invention relates to polymer synthesizers and methods of using  
5 polymer synthesizers. For example, the present invention provides highly efficient,  
reliable, and safe synthesizers that find use, for example, in high throughput and  
automated nucleic acid synthesis. The present invention also relates to synthesizer arrays  
for efficient, safe, and automated processes for the production of large quantities of  
polymers.

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POLYMER SYNTHESIZERS AND METHODS OF USE THEREFOR